

HIGH-TEMPERATURE ARTICLES AND METHOD FOR MAKING

ABSTRACT OF THE DISCLOSURE

A coated article, a coating for protecting an article, and a method for protecting an article are provided. The article comprises a metallic substrate and a substantially single-phase coating disposed on the substrate, wherein the coating comprises nickel (Ni) and at least about 30 atomic percent aluminum (Al); the coating further comprises a gradient in Al composition, the gradient extending from a first Al concentration level at an outer surface of the coating to a second Al concentration level at an interface between the substantially single-phase coating and the substrate, wherein the first Al concentration level is greater than the second Al concentration level and the second concentration level is at least about 30 atomic percent Al.

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